

IN THE CLAIMS

Cancel Claims 1 - 32.

33. (New) A rapidly disintegrating oral controlled release pharmaceutical composition comprising at least one active ingredient, and a polymer system comprising of at least two polymers wherein one is an acid insoluble polymer and the other is a bioadhesive polymer, which retard the release of the active ingredient in the stomach while providing rapid release of the active ingredient in the pH above 5.5, optionally with other pharmaceutically acceptable excipients.

34. (New) The composition according to claim 33, wherein said active ingredient is selected from the group comprising antibiotics, such as cephalosporins and penicillins, and their pharmaceutically acceptable salts, hydrates, polymorphs, esters, and derivatives thereof.

35. (New) The composition according to claim 33, wherein said active ingredient is amoxicillin trihydrate.

36. (New) The composition according to claim 33, which comprises at least two active ingredients selected from the group consisting of amoxicillin, ampicillin, cloxacillin, clavulanic acid and cephalosporins, or pharmaceutically acceptable salts or derivatives thereof.

37. (New) The composition according to claim 33, wherein the polymer system comprises polymers selected from the group consisting of polyvinyl pyrrolidone, polyvinyl acetate, methacrylic acid polymers, acrylic acid polymers, hydroxypropyl methylcellulose

phthalate, hydroxypropyl methylcellulose acetate succinate, cellulose acetate phthalate, cellulose acetate butyrate, cellulose acetate propionate, alginates, cellulose derivative, polyethylene oxide, chitosans, and polycarbophil, or a mixture thereof.

38. (New) The composition according to claim 33, wherein the acid insoluble polymer is selected from the group consisting of methacrylic acid polymers, acrylic acid polymers, hydroxypropyl methylcellulose phthalate, hydroxypropyl methylcellulose acetate succinate, cellulose acetate phthalate, cellulose acetate butyrate, cellulose acetate propionate, and alginates, or a mixture thereof.

39. (New) The composition according to claim 33, wherein the bioadhesive polymer is selected from the group consisting of polycarbophil and chitosans.

40. (New) The composition according to claim 37, wherein the polymer system comprises methacrylic acid polymer and polycarbophil.

41. (New) The composition according to claim 33, which additionally comprises a cellulose derivative.

42. (New) The composition according to claim 34, which additionally comprises a cellulose derivative.

43. (New) The composition according to claim 35, which additionally comprises a cellulose derivative.

44. (New) The composition according to claim 36, which additionally comprises a cellulose derivative.
45. (New) The composition according to claim 39, which additionally comprises a cellulose derivative.
46. (New) The composition according to claim 41, wherein the cellulose derivative is selected from the group consisting of alkyl cellulose and carboxyalkyl cellulose.
47. (New) The composition according to claim 40, wherein the ratio of methacrylic acid polymer and polycarbophil is 10:1 to 1:10 by weight of the composition.
48. (New) A process for preparation of a composition according to claim 33, which comprises the step of:
- i) mixing of active ingredient(s) and polymer(s),
 - ii) optionally adding one or more other pharmaceutically acceptable excipients, and
 - iii) formulation of the mixture into a suitable dosage form.
49. (New) The process according to claim 48, wherein said active ingredient is amoxicillin trihydrate.
50. (New) The process according to claim 16, which comprises at least two active ingredients selected from the group consisting of amoxicillin, ampicillin, cloxacillin, clavulonic acid, and cephalosporins, or pharmaceutically acceptable salts or derivatives thereof.

51. (New) The process according to claim 48, wherein the composition additionally comprises a cellulose derivative.

52. (New) The process according to claims 49, wherein the composition additionally comprises a cellulose derivative